

# Task 4.3: Detecting Source Activities and Reconciling Ambient Measurement Variations with Field Observations

Do Local Emissions Events Influence Angiola Air Quality Measurements?

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Digital cameras recorded local activity around Angiola from September 2000 through January 2001.



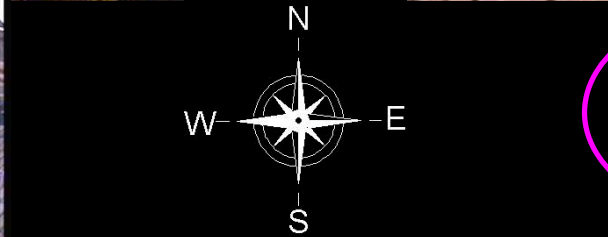
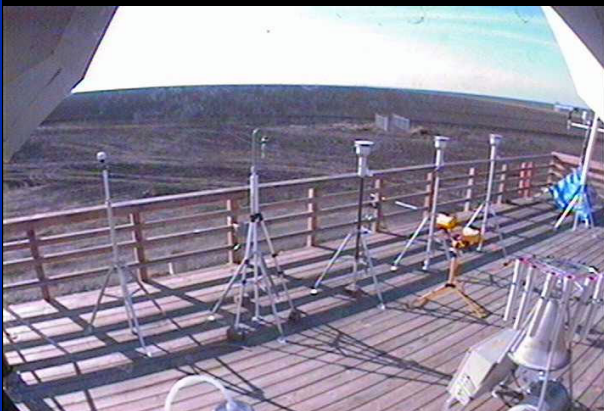
Local emissions events were documented and cross-referenced with wind speed and direction data.

Field Work

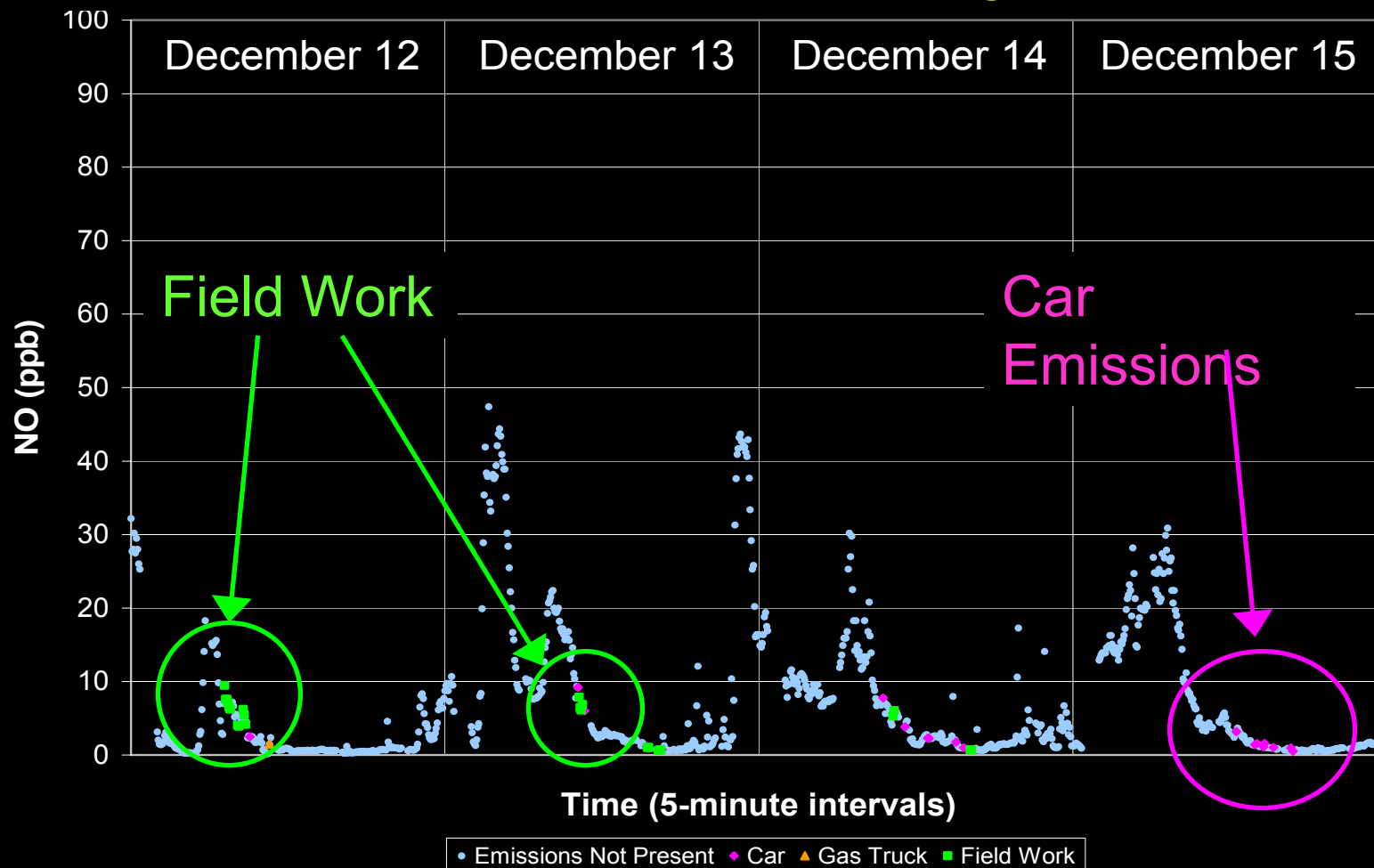


Car Emissions

(when change of location was observed)



Upwind emissions events were categorized by source type and used to identify NO, PM<sub>2.5</sub>, and PM<sub>10</sub> samples that were taken during these events.



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It was determined that, overall, the variations in NO, PM<sub>2.5</sub>, and PM<sub>10</sub> concentrations were due to regional rather than local activity.